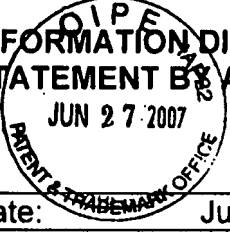


Substitute for form PTO/SB/08A		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application Number	09/702,218
		Filing Date	October 30, 2000
		First Named Inventor	Arthur W. Wang
		Art Unit	2618
		Examiner Name	LEE, John J.
Date:	June 25, 2007		
Sheet 1 of 8	Attorney Docket Number	PD-990302	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
-----------------------	-------------	-------------------------------------	--------------------------------	--	--

/JL/		US-3,176,301	03-1965	Wellons et al.	
/JL/		US-3,430,244	02-1969	Bartlett et al.	
		US-3,618,097	11-1971	McLeod, Jr.	
		US-3,706,999	12-1972	Tocquec et al.	
		US-3,936,837	02-1976	Coleman et al.	
		US-4,236,161	11-1980	Ohm	
		US-4,263,599	04-1981	Bielli et al.	
		US-4,343,005	08-1982	Han et al.	
		US-4,380,014	04-1983	Howard	
		US-4,602,259	07-1986	Shepard	
		US-4,660,045	04-1987	Clark	
		US-4,689,625	08-1987	Barmat, Melvin	
		US-4,803,495	02-1989	Monser et al.	
		US-5,117,240	05-1992	Anderson et al.	
		US-5,124,925	06-1992	Gamble et al.	
		US-5,151,706	09-1992	Roederer et al.	
		US-5,187,491	02-1993	Schuss et al.	
		US-5,199,672	04-1993	King et al.	
		US-5,257,030	10-1993	Aoki et al.	
		US-5,317,328	05-1994	Allen	
		US-5,398,035	03-1995	Densmore et al.	
		US-5,415,368	05-1995	Horstein et al.	
		US-5,422,913	06-1995	Wilkinson	
		US-5,483,663	01-1996	Tawil	
		US-5,495,258	02-1996	Muhlhauser et al.	
		US-5,552,798	09-1996	Dietrich et al.	
		US-5,584,047	12-1996	Tuck	
/JL/		US-5,619,211	04-1997	Horkin et al.	
/JL/		US-5,625,640	04-1997	Palmer et al.	

Examiner Signature	/John Lee/	Date Considered	08/03/2007
-----------------------	------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known	
	Application Number	09/702,218
	Filing Date	October 30, 2000
	First Named Inventor	Arthur W. Wang
	Art Unit	2618
Date: June 25, 2007	Examiner Name	LEE, John J.
Sheet 2 of 8	Attorney Docket Number	PD-990302

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
--------------------	----------	-------------------------------------	--------------------------------	--	--

/JL/		US-5,652,597	07-1997	Caille	
/JL/		US-5,736,959	04-1998	Patterson et al.	
		US-5,761,605	06-1998	Tawil et al.	
		US-5,788,187	08-1998	Castiel et al.	
		US-5,805,067	09-1998	Bradley et al.	
		US-5,813,633	09-1998	Anzel	
		US-5,845,206	12-1998	Castiel et al.	
		US-5,867,783	02-1999	Horstein et al.	
		US-5,870,439	02-1999	Ben-Efraim et al.	
		US-5,905,474	05-1999	Ngai et al.	
		US-5,955,783	09-1999	Ben-Efraim et al.	
		US-5,959,590	09-1999	Sanford et al.	
		US-5,959,592	09-1999	Petruzzelli	
		US-5,963,175	10-1999	Burr	
		US-5,990,883	11-1999	Byrne et al.	
		US-5,999,797	12-1999	Zancho et al.	
		US-6,007,027	12-1999	Diekelman et al.	
		US-6,032,902	03-2000	Palmade et al.	
		US-6,034,634	03-2000	Karlsson et al.	
		US-6,041,224	03-2000	Wada	
		US-6,091,931	07-2000	Ben-Efraim et al.	
		US-6,105,060	08-2000	Rothblatt	
		US-6,111,542	08-2000	Day et al.	
		US-6,134,282	10-2000	Ben-Efraim et al.	
		US-6,151,496	11-2000	Richards et al.	
		US-6,175,719	01-2001	Sarraf et al.	
✓		US-6,198,907	03-2001	Torkington et al.	
/JL/		US-6,204,822	03-2001	Cardiamenos et al.	
/JL/		US-6,204,823	03-2001	Spano et al.	

Examiner Signature	/John Lee/	Date Considered	08/03/2007
--------------------	------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known	
	Application Number	09/702,218
	Filing Date	October 30, 2000
	First Named Inventor	Arthur W. Wang
	Art Unit	2618
Date: June 25, 2007	Examiner Name	LEE, John J.
Sheet 3 of 8	Attorney Docket Number	PD-990302

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

/JL/		US-6,208,834	03-2001	Tawil et al.	
/JL/		US-6,219,617	04-2001	Dreischer et al.	
		US-6,226,493	05-2001	Leopold et al.	
		US-6,229,500	05-2001	Caille et al.	
		US-6,257,526	07-2001	Taormina et al.	
		US-6,259,415	07-2001	Kumpfbeck et al.	
		US-6,263,188	07-2001	Castiel et al.	
		US-6,327,523	12-2001	Cellier, Alfred	
		US-6,333,924	12-2001	Porcelli et al.	
		US-6,339,707	01-2002	Wainfan et al.	
		US-6,353,490	03-2002	Singer et al.	
		US-6,366,256	04-2002	Ramanujam et al.	
		US-6,388,634	05-2002	Ramanujam et al.	
		US-6,515,617	02-2003	Demers et al.	
		US-6,564,053	05-2003	Briskman et al.	
		US-6,684,056	01-2004	Emmons et al.	
		US-6,778,810	08-2004	Anderson, Paul R.	
		US-6,813,492	11-2004	Hammill et al.	
		US-7,184,76	02-2007	Wang	
		US-RE 37,140	04-2001	Schloemer, Jerry R.	
		US-2001/0019942	09-2001	Tawil et al.	
		US-2002/0016157	02-2002	Arsenault et al.	
		US-2002/0025005	02-2002	Onggosanusi et al.	
/JL/		US-2002/0032908	03-2002	Booth	
/JL/		US-2002/0160710	10-2002	Castiel et al.	

Examiner Signature	/John Lee/	Date Considered	08/03/2007
-----------------------	------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/702,218
		Filing Date	October 30, 2000
		First Named Inventor	Arthur W. Wang
		Art Unit	2618
		Examiner Name	LEE, John J.
Date:	June 25, 2007		
Sheet 4 of 8		Attorney Docket Number	PD-990302

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
-----------------------	-------------	-------------------------------------	--------------------------------	--	--

		Document Number	Date	Name	Class	Sub Class
/JL/	A	3,497,807	24 Feb 1970	R. Newton		
/JL/	B	4,126,865	21 Nov 1978	D. Longhurst, et al		
	C	4,691,882	08 Sept 1987	R. Young		
	D	4,809,935	07 Mar 1989	J. Drait		
	E	4,819,002	04 Apr 1989	M. Reboullet		
	F	4,875,052	17 Oct 1989	D. Anderson, et al		
	G	5,075,682	24 Dec 1991	D. Dehnert		
	H	5,077,561	31 Dec 1991	W. Gorton, et al		
	I	5,119,225	02 Jun 1992	M. Grant, et al		
	J	5,120,007	09 Jun 1992	J. Pocha, et al		
	K	5,326,054	05 Jul 1994	A. Turner		
	L	5,439,190	08 Aug 1995	M. Horstein, et al		
	M	5,473,601	05 Dec 1995	H. Rosen, et al		
	N	5,551,624	03 Sept 1996	M. Horstein, et al		
	O	5,553,816	10 Sept 1996	G. Perrotta		
	P	5,561,837	01 Oct 1996	E. Muller, et al		
	Q	5,641,134	24 Jun 1997	G. Vatt		
	R	5,655,005	05 Aug 1997	R. Wiedeman, et al		
	S	5,669,585	23 Sept 1997	D. Castiel, et al		
	T	5,678,175	14 Oct 1997	J. Stuart, et al		
	U	5,738,309	14 Apr 1998	R. Fowell		
	V	5,765,098	09 Jun 1998	L. Bella		
	W	5,793,813	11 Aug 1998	R. Cleave		
	X	5,810,292	22 Sep 1998	F. Garcia, et al		
↓	Y	5,810,297	22 Sep 1998	S. Basuthakur, et al		
	Z	5,845,206	01 Dec 1998	D. Castiel, et al		
/JL/	AA	5,871,181	16 Feb 1999	J. Mass		
/JL/	BB	5,884,866	23 Mar 1999	J. Steinmeyer, et al		

Examiner Signature	/John Lee/	Date Considered	08/03/2007
-----------------------	------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Complete if Known	
		Application Number	09/702,218
		Filing Date	October 30, 2000
		First Named Inventor	Arthur W. Wang
		Art Unit	2618
Date: June 25, 2007		Examiner Name	LEE, John J.
Sheet 5 of 8		Attorney Docket Number	PD-990302

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

		Document Number	Date	Name	Class	Sub Class
/JL/	CC	5,918,157	29 Jun 1999	R. Wiedeman, et al		
/JL/	DD	5,930,680	27 Jul 1999	B. Lusignan		
	EE	5,931,417	03 Aug 1999	D. Castiel		
	FF	5,940,739	17 Aug 1999	C. Conrad, et al		
	GG	5,957,409	28 Sept 1999	D. Castiel, et al		
	HH	5,961,077	05 Oct 1999	C. Koppel, et al		
	II	5,971,324	26 Oct 1999	B. Williams, s et al		
	JJ	5,979,830	09 Nov 1999	J. Kellermeyer		
	KK	5,979,832	09 Nov 1999	J. Draim		
	LL	5,991,279	23 Nov 1999	H. Haugli		
	MM	6,019,318	01 Feb 2000	A. Cellier, et al		
	NN	6,059,233	09 May 2000	C. Koppel, et al		
	OO	6,073,011	06 Jun 2000	M. Horstein		
	PP	6,116,545	12 Sept 2000	J. Salvatore, et al		
	QQ	6,122,596	19 Sept 2000	D. Castiel		
	RR	6,126,116	03 Oct 2000	A. Cellier		
	SS	6,135,389	24 Oct 2000	R. Fowell		
	TT	6,149,103	21 Nov 2000	J. Salvatore		
	UU	6,223,019	24 Apr 2001	R. Briskman, et al		
	VV	6,257,526	10 Jul 2001	F. Taormina, et al		
	WW	6,263,188	17 Jul 2001	D. Castiel, et al		
	XX	6,325,332	04 Dec 2001	A. Cellier, et al		
	YY	6,336,612	08 Jan 2002	F. Taormina, et al		
↓	ZZ	6,389,336	14 May 2002	A. Cellier		
/JL/	AAA	6,460,808	08 Oct 2002	F. Taormina, et al		
/JL/	BBB	2001/0012759 A1	09 Aug 2001	D. Castiel, et al		

Examiner Signature	/John Lee/	Date Considered	08/03/2007
-----------------------	------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known	
	Application Number	09/702,218
	Filing Date	October 30, 2000
	First Named Inventor	Arthur W. Wang
	Art Unit	2618
Date: June 25, 2007	Examiner Name	LEE, John J.
Sheet 6 of 8	Attorney Docket Number	PD-990302

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
/JL/		EP 0792799	09-1997	Orbital Sciences Corporation	
/JL/		EP 0959573	11-1999	CD Radio Inc.	
/JL/		EP 1083720	03-2001	Sony Corporation	
/JL/		WO 95/35602	12-1995	Ericsson GE Mobile, Inc.	
/JL/		WO 98/51022	11-1998	USCX	
/JL/		JP 10-258799 (original and English abstract)	09-1998	Fujitsu Ltd.	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/JL/		(Anonymous); "Orbital Plans High-Capacity 'Space Cable' Global Satellite Network"; Press Release; 25 September 1997; XP002132567	
/JL/		THIEL, A.K.; "Medium Altitude Phased Orbit Satellite Systems"; Conference Proceedings Winter Convention on Military Electronics; 1 January 1965; pages 17-24; page 21 – right hand column; page 22 – left hand column	
/JL/		LOGSDON; "Mobile Communication Satellites"; 1995; XP002132568; pages 156-157, 208-209 and 223	
/JL/		CHIBA, ISAMU; "inclined Geo Satellite Communication System with Deployable Phased Array Antennas"; AIAA-98-1254; pages 243-249	

Examiner Signature	/John Lee/	Date Considered	08/03/2007
--------------------	------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known	
	Application Number	09/702,218
	Filing Date	October 30, 2000
	First Named Inventor	Arthur W. Wang
	Art Unit	2618
	Examiner Name	LEE, John J.
Date:	June 25, 2007	
Sheet 7 of 8	Attorney Docket Number	PD-990302

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T
/JL/		Radio Communication Study Groups; "Effects of NGSO Provisional EPFD; APFD Limits on 'Quasi-Geostationary' Systems; 25 June 1998; pages 1-14		
/JL/		RIZZI, PETER A.; "Microwave Engineering, Passive Circuits"; Prentice Hall; title page and pp. 229-234		
/JL/		<p>Before the Federal Communications Commission, In the Matter of: Amendment of Parts 2 and 25 of the Commission's Rules to Permit Operation of NGSO FSS Systems Co-Frequency with GSO and Terrestrial Systems in the Ku-Band Frequency Range;</p> <p>Amendment of the Commission's Rules to Authorize Subsidiary Terrestrial Use of the 12.2-12.7 GHz Band by Direct Broadcast Satellite Licenses and their Affiliates; and</p> <p>Applications of Broadwave USA, PDC Broadband Corporation, and Satellite Receivers, Ltd. To Provide a Fixed Service in the 12.2-12.7 GHz Band.</p> <p>Comments of AT&T Corp., March 12, 2001, 24 pp.</p>		
/JL/		BERROU et al.; "Near Shannon Limit Error-Correcting Coding and Decoding: Turbo-Codes (1)"; Proceedings ICC 1993; Geneva, Switzerland; May 1993; pp. 1064-1070		

Examiner Signature	/John Lee/	Date Considered	08/03/2007
-----------------------	------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known	
	Application Number	09/702,218
	Filing Date	October 30, 2000
	First Named Inventor	Arthur W. Wang
	Art Unit	2618
Date: June 25, 2007	Examiner Name	LEE, John J.
Sheet 8 of 8	Attorney Docket Number	PD-990302

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/JL/		Chapter 5: Other Non-Geosynchronous Satellite Communications Systems; World's high-tech book series – 10; May 10, 1994; 1 st edition; Dempa Publications	
/JL/		YAMAWAKI, KOJI; "A Study on Global Constellation for Satellite Navigation"; Journal of Japan Society for Aeronautical and Space Sciences; April 5, 1994; Vol. 42, No. 483; pp. 232-242 (Japanese with English abstract and partial English translation)	

Examiner Signature	/John Lee/	Date Considered	08/03/2007
-----------------------	------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/702,218
		Filing Date	October 30, 2000
		First Named Inventor	Arthur W. Wang
		Art Unit	2618
		Examiner Name	LEE, John J.
Date:	June 28, 2007		
Sheet 1 of 1	Attorney Docket Number	PD-990302	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/JL/		HULT, JOH L.; "Sharing the UHF Between Space and Terrestrial Services"; September 1970; Defense Technical Information Center	

Examiner Signature	/John Lee/	Date Considered	08/03/2007
-----------------------	------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.